

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-454
Relating to Certification of New Motor Vehicles

DAIMLERCHRYSLER CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 2000 model-year DaimlerChrysler Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: YCRXT0201230 Displacement: 3.3 Liters (201 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- Three Way Catalytic Converter
- Heated Oxygen Sensors (two)
- Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 2000 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>NMOG</u>	<u>CO</u>	<u>NOx</u>	<u>HCHO</u>	<u>CO (20°F)</u>
3751-5750	50,000	0.072	0.6	0.1	0.002	4.6
	100,000	0.088	0.7	0.1	0.002	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average NMOG exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

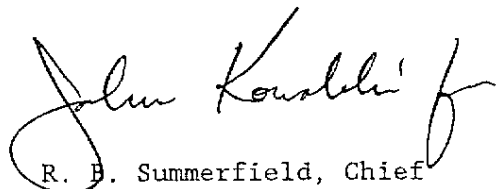
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 23rd day of June 1999.



R. B. Summerfield, Chief
Mobile Source Operations Division

2000 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O.# A-9-454
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Manufacturer: DaimlerChrysler Corp Exh Eng Fam: YCRXT0201230 Evap Fam: YCRXE0101G2A
 All Eng Codes in Eng Fam: CA X 49S X 50S AB965 ORVR: YES NO X
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US: EPA Tier-1 NLEV X
 Veh Class(es): PC LDT1 LDT2 X MDV1 MDV2 MDV3 MDV4 MDV5
 Single Cert Std for Multi-Class Eng Fam: N/A (Specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
 Fuel Type(s): Dedicated X Flex-Fuel Dual-Fuel Bi-Level Gasoline X Diesel
CNG LNG LPG M85 E85 Other(specify) _____
 Emis Test Fuel(s): Indo CBG X CNG LPG M85 E85 Other(specify) _____
 Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
 Evaporative Emission Test Procedure: California Federal X
 Service Accum: Std AMA Mod AMA X Mfr ADP Other(specify) _____
 NMOG Test Procedure: N/A Std Equiv X R/L Test Proc: SHED Pt Source X
 Engine Configuration: V-6 Displacement 3.3 Liters 201 Cubic Inches
 Valves per Cylinder: 2 Rated Horsepower: 162 @ 4800 RPM
 Engine: Front X Rear Drive: FWD X RWD 4WD-FT 4WD-PT
 Exhaust ECS (eg, EGR, MFI, TC, CAC): EGR,HO2S(2),SFI,TWC
 (use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Typ: M5 A4	ETW Or TestWt	CPA Or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
NA-100 (CA)	NSHL52,NSKL52 NSHH52,53 NSHL53 NSKH52,53 NSKL53,NSKP53 NSYP52 NSKP53,NSYP53	A4	4000 4250 4500	S E A T T A C H M E N T	04727279AA	047287189	04809444AA

Date Issued: 03/31/99

Revisions: 5/20/99

ADJUSTED LOADED VEHICLE WGT

LOADED VEHICLE WEIGHT

MODEL	ENG	TRANS	A	MKT	LVW	TIRE DESCRIPTION	USE YR	COD	MFG	OPT	COAST	TIRE		TARGET A	COLD CO ELECTRIC DYNO COEFFICIENTS			ALVM	DOWN	COAST	TIRE				
												HP	F R		HP	F R	HP				F R	HP	F R	HP	F R
						OPT 00 TMS TZH					15.83	10.1	35	35	36.59	0.03397									
						OPT 00 THR TZA					16.48	10.0	35	35	33.26	0.03088									
NSKL53	EGA	DGL	FH	Y	0	STD 00 TLP TZA					16.60	10.0	35	35	34.73	0.03264									
						OPT 00 TMS TZH					17.39	10.0	35	35	31.57	0.02967									
						OPT 00 THR TZA					16.67	10.2	35	35	50.47	0.02946									
						OPT 00 TMS TZH					17.44	10.2	35	35	45.88	0.02678									
						OPT 00 THR TZA					17.44	10.2	35	35	36.26	0.03246									
NSKP52	EGA	DGL	FH	Y	0	STD 00 THR TZA					16.67	10.2	35	35	32.96	0.02951									
						OPT 00 TMS TZH					17.44	10.2	35	35	37.71	0.03397									
						OPT 00 THR TZA					17.44	10.2	35	35	34.28	0.03088									
						OPT 00 TMS TZH					17.44	10.2	35	35	35.78	0.03264									
						OPT 00 THR TZA					16.67	10.2	35	35	32.53	0.02967									
NSKP53	EGA	DGL	FH	Y	0	STD 00 THR TZA					18.08	10.1	35	35	37.71	0.03397									
						OPT 00 TMS TZH					17.36	10.2	35	35	34.28	0.03088									
						OPT 00 THR TZA					17.36	10.2	35	35	37.81	0.03264									
						OPT 00 TMS TZH					16.67	10.2	35	35	34.37	0.02967									
						OPT 00 THR TZA					16.67	10.2	35	35	39.83	0.03397									
NSYP52	EGA	DGL	FH	Y	0	STD 00 TMS TZH					17.36	10.2	35	35	36.21	0.03088									
						OPT 00 TMS TZH					17.36	10.2	35	35	37.71	0.03397									
						OPT 00 THR TZA					17.36	10.2	35	35	34.28	0.03088									
						OPT 00 TMS TZH					17.36	10.2	35	35	39.83	0.03397									

* - For DYNO HP = 0.00
Ref To FRONTAL AREA

TIRE DESCRIPTION		SIZE	CONSTRUCTION		RPM	TREAD MATERIAL		P L	Y	SM	SIDEWALL MATERIAL		OVERLAY MATERIAL		TREAD DEPTH (IN.)		
YR	COO		MFG	OPT		NAME	CON				STR	TRD	TRD	TRD	TRD	TRD	TRD
00	TLP	TZA		CONQUEST	P205/75R14	800	SBR	2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1	10		
00	TM3	TZA		CONQUEST	P215/70R15	780	SBR	2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1	10		
00	TM5	TZH		HX4	215/65R16	778	SBR	2-Steel/1-Polyester	3	BSB	Polyester	1	Nylon	2	08		
00	TMR	TZA		CONQUEST	P215/65R15	801	SBR	2-Steel/2-Polyester	4	BSB	Polyester	2	Nylon	1	10		

MODELS COVERED BY CERTIFICATE

Vehicle MFR: CHRYSLER

Engine family: YCRXT0201230
Evaporative Fam: YCRXE0101G2A

Certificate #:

Model ID	Car Line	California Sales
MSKL52	Caravan 2WD	YES
NSKP52	Caravan LE 2WD	YES
NSKH52	Caravan SE 2WD	YES
MSKL53	Grand Caravan 2WD	YES
NSKP53	Grand Caravan LE 2WD	YES
NSKH53	Grand Caravan SE 2WD	YES
NSHL53	Grand Voyager 2WD	YES
NSHH53	Grand Voyager SE (2WD)	YES
NSYP53	Town & Country LX 2WD	YES
NSYP52	Town & Country SX 2WD	YES
NSHL52	Voyager 2WD	YES
NSHH52	Voyager SE 2WD	YES

Model Codes
NS K P 53

--- Body Style
12=113" wb Van
13=119" wb Van
52=113" wb Wagon
53=119" wb Wagon

--- Price Class
H=High Line
P=Premium
L=Low Line

--- Model
K=Dodge
H=Plymouth
Y=Chrysler
D=Dodge AWD
P=Plymouth AWD
C=Chrysler AWD

--- Body Code
NS=Minivan